



**EXPLANATION**

- OUTCROP OF THE COCKFIELD FORMATION**
- SUBCROP OF THE COCKFIELD FORMATION--**  
Area in which Cockfield Formation is overlain by  
terrace deposits and alluvium of Quaternary age
- GEOLOGIC CONTACT--Dashed where**  
approximately located
- POTENTIOMETRIC CONTOUR--Shows altitude**  
at which water level would have stood in tightly  
cased wells. Hachures indicate depression.  
Dashed where approximately located. Contour  
interval 20 feet. Datum is sea level
- WELL COMPLETED IN THE COCKFIELD**  
**AQUIFER IN SOUTHEASTERN ARKANSAS--**  
Number is water-level altitude determined during  
January-April 2000. Letter, where present,  
corresponds to hydrograph in figure 3

**NOTE:** The potentiometric contours are generalized to  
portray synoptically the head in a dynamic hydrologic  
system, not taking into account the variation in well  
depth, non-simultaneous measurements of water level,  
variable effects of pumping, and changing climatic  
influence. The potentiometric contours may not conform  
exactly with individual measurements of water level.

0 10 20 30 40 MILES  
0 10 20 30 40 KILOMETERS

**POTENTIOMETRIC SURFACE OF THE COCKFIELD AQUIFER  
IN SOUTHEASTERN ARKANSAS**

T.P. Schrader and Robert L. Joseph  
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